

## **An Introduction to G.G.S Engineering Limited**

Originally founded in 1988 as a small sub-contract machining company situated in a single factory unit in Derby. GGS Engineering was able to capitalise on a willingness and ability to undertake the unusual and non-standard work that was always difficult to place. From giant excavator components for the Middle East to small assembly line parts all would be treated with the same attention to detail.

With the introduction of a design and draughting service GGS are now able to offer a complete project package from inception to completion in house.

Awarded the Millennium Product status in 1999 for the steerable wheel motor, GGS went on to achieve quality assurance to BS/EN/ISO 9002 in 2000.

As the GGS customer base grew to include some of the areas leading companies, it became apparent that a larger production base was needed and in April 2001 GGS and its sister company SET moved into Atlas Work in the heart of Derby's railway industrial area. From our new home GGS can now offer a competitive range of services including fabrication, CNC turning, machining, grinding and milling.

Large batch production and one-offs are still produced with the quality and care that GGS have become renowned for.

# HOW TO GET TO G.G.S. ENGINEERING (DERBY) LTD

## From the North, the South and the East:

Leave M1 at Junction 25 and head towards Derby (westwards) on A52. From the East join the A52 at any convenient point and follow these directions.

Follow the A52 to Derby ring road and bear left onto the A5111 signed A6/A38/A50 Derby Ring Road. This road is 'Raynesway'. Approaching the first junction take the right hand lane and turn right at the first traffic island into London Road (Signed 'Derby City Centre' A6).

Follow the A6 over traffic island (Ascot Drive) and past RTC Business Park (formerly Railway Technical Centre) and on top of rail bridge take the sharp left into Litchurch Lane, G.G.S. is on the right, on a left hand bend in about 200 yards.



## From West and Southwest:

Join Derby Ring Road from A38/A50 (A516)/A52 and follow the ring road, A5111 towards M1 South/Nottingham. Continue around the ring road to the junction with the A, at this traffic island turn left towards Derby City Centre and in 50 yards at the next traffic island take the first exit into London Road (Signed 'Derby City Centre' A6).

Follow the A6 over traffic island (Ascot drive) and past RTC Business Park (formerly Railway Technical Centre) and on top of the rail bridge take the sharp turn left into Litchurch Lane, G.G.S. is on the right, on a left hand bend in about 200 yards.

G.G.S. Engineering (Derby) Ltd Registered Office:  
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**Registered No: 3729672**

# **RAILWAY ACCESS EQUIPMENT**

GGs Engineering, in conjunction with the maintenance depots of the London Underground Network, has developed a series of workshop access and ancillary equipment to compliment underground working practices. Our brief was to make it safe, strong and easily handle-able, the result was purpose built access equipment each piece tailored to suit the individual workshops needs.

Our range of aluminium pit boards includes six different side pit board types and three different centre pit boards. All have the GGS designed thread pattern that offers both grip and self-cleaning and are supplied fully load tested and certificated to 500 kilo SWL.

Access steps are of steel construction and fabricated for strength. Non-marking bearing type casters are fitted as standard and all hand railing conforms to British Standards. Light pit steps are fabricated in aluminium to keep them light for easy movement.

Handling and stacking equipment specifically for railway use can be offered or designed by our own design and drafting team which gives GGS engineering total in-house control right through the production process.

Our product range is constantly being developed and increased and variations to basic equipment designs can be accommodated to meet specific project needs.

# Capacity List

All processes fully controlled by ISO9001 QA Procedure

## Machine Shop

- ◆ HURCO CNC BMC 40 Machining Centre  
30 Station Automatic Tool Changer  
X axis 40" (1020mm)  
Y axis 30" (762mm)  
Z axis 22" (560mm)
- ◆ Manual turning - up to 7ft x 30" diameters (2133mm x 762mm)
- ◆ Boring - up to 39" diameters (990.6mm)
- ◆ CNC Turning – up to 2.5m x 400mm diameters
- ◆ CNC Machining Centre  
X axis 30" (762mm)  
Y axis 15" (381mm)  
Z axis 20" (508mm)  
Load capacity – 1 ton
- ◆ Milling – up to 1 metre square
- ◆ Drilling – Multi Spindle and Radial Arm

## Fabrication Shop

- ◆ MIG, TIG and Gas welding of mild steel, stainless steel and aluminium
- ◆ General fabrication - up to 15m high and 25 ton
- ◆ Pressbrake bending and forming
- ◆ Guillotine
- ◆ Spot Welding

## Finishing

- ◆ Hand finish fettling
- ◆ Hand painting (if applicable)
- ◆ Sub-contract plating and painting by approved suppliers

## Assembly

- ◆ Dedicated assembly areas (if applicable) – mechanical & electrical
- ◆ Electrical testing available in Group



## **G.G.S. ENGINEERING (DERBY) LTD**

### **Depot Equipment Range.**

- [1] Mobile Lockable Steps**
- [2] Pit End Entry Steps**
- [3] Side Entry Light Pit Steps**
- [4] Hinged Side Pit Board with T/Bar Lift handle**
- [5] Standard Pit Board (Rail to Rail) also available Pit side To Rail.**

G.G.S. ENGINEERING (DERBY) LIMITED



Power Station  
Ducting



Scissor Lift Table for  
Maintenance Depot



Lifting Frame



Support Frame



Platform



G.G.S. ENGINEERING (DERBY) LIMITED



**Maintenance  
Tool-box**



**Scissor Lift Table For Maintenance Dept**



G.G.S Engineering (Derby) Ltd

# SPECIALIST PROJECTS



Millennium Product Status given to new SET Wheel Motor



## GGS Engineering

have undertaken a diverse range of design to manufacture solutions for our customers. Below are just a few to give you a flavour of the type of work we have undertaken...

- Hydraulic Manipulator Arms (Construction Industry)
- Acoustic Hammer Cages (Construction Industry)
- Multifunctional Trailers (Construction Industry)
- Automatic Pressure Testing Equipment (Rail Industry)
- Environmental Cabs (Construction Industry)
- Shaker Chutes (Manufacturing Industry)
- Cooling Tanks (Manufacturing Industry)

### S.E.T. IN-HOUSE PROJECTS

Projects developed for our associated company S.E.T. Ltd (Stored Energy Technology)  
Traction motors for low floor vehicles (trams-light rail-metro). ALSO...  
A new range of DC Portable Lighting, High & Low Pressure -Sodium/pl/metal halide systems etc

For more detailed information on S.E.T. products  
Tel: +44 (0)1332 346035 or Fax: +44 (0)1332 299678

For more detailed information on G.G.S. products  
Tel: +44 (0)1332 299345 or Fax: +44 (0)1332 299678



Cert No FS45420



G.G.S Engineering (Derby) Ltd

## CRANE SPARES & REFURBS



### GGS Plant Spares.

A wide range of crawler crane spares to suit all popular makes is always on stock at our Derby based depot. These include gears & splines, shafts, bronze bushes, bearing, castings & fabrications.

GGS Engineering also offer a fast turnaround on unstocked items, plus the capacity to produce one-off special parts. Our fabrication department has experience in cab and high gantry production, high impact resistance welding up to MOD standard and can offer a reconditioning service to reclaim all worn parts and assemblies.

Hydraulic and electronic components can be produced to a customers' own specification or a complete design and manufacture service can be offered utilising our in-house design team.

#### For more information

Tel: +44 (0)1332 299345 or Fax: +44 (0)1332 299678  
Spares Dept: +44 (0)1332 370057



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